**Unit 11 Map (Organism Form and Function)**

Ms. Ottolini, AP Biology

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| **Topic** | **Learning Target** | **Where did I learn this?**  (What resources should I use to study?) | **How well do I know this?**  (scale of 1 to 3, with 3 indicating a high level of understanding) |
| Development | 1. I can describe the role of cytoplasmic determinants and homeotic genes in pattern formation. |  |  |
| 2. I can describe the role of apoptosis in morphogenesis. |  |  |
| 3. I can describe the role of transcription factors, RNA interference, embryonic induction, environmental cues, etc. in cell differentiation. |  |  |
| Timing and Coordination | 4. I can describe how living organisms respond to environmental cues to coordinate physiological events (ex: photoperiodism in plants, circadian rhythms in animals, and fruiting body formation in fungi) |  |  |
| 5. I can describe how the coordination of behaviors in organisms can be an advantage in natural selection. |  |  |
| Defense (the Immune System) | 6. I can describe the non-specific (innate) responses of both plants and animals to pathogens. |  |  |
| 7. I can describe the specific immune response in mammals. |  |  |